

SECTION 08100: LARGE WOODY DEBRIS INSTALLATION

PART 1 –GENERAL

1.01 DESCRIPTION OF WORK

Provide and install driftwood and anchored large woody debris structures and barrier as shown and specified on the Plans.

1.02 PROJECT CONDITIONS

- A. Work notification: Notify Engineer at least seven working days prior to installation of woody debris.
- B. Protect existing utilities and previously placed rock and capping materials from damage during installation of driftwood and large woody debris.
- C. Confine work to designated areas. Do not disturb existing vegetation outside Project limits and protect all trees, shrubs and ground covers within Project limits not designated to be removed.

PART 2 –PRODUCTS

2.01 LARGE WOODY DEBRIS

- A. Logs shall consist of salvaged natural wood that has not been preservative treated. Preservative treated logs are not acceptable. All anchored logs shall have root wads attached. The Contractor shall obtain logs with root wads from approved off-site sources. Use of decay resistant species, such as Madrone, Black Locust, Cedar, and Douglas Fir, are preferred. Logs shall be a minimum of 12 inches in diameter, four feet from the base, and shall be a minimum length as shown on the Contract Drawings. Trim woody debris as directed by Engineer. Logs shall be washed of soil and debris prior to installation.

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- B. No split logs or individual root wads without trunks will be accepted.

2.02 DRIFTWOOD

Driftwood shall consist of natural wood obtained from an accepted offsite source or salvaged from Site Preparation and Clearing and Demolition operations during conduct of this project, subject to the Engineer's approval. Driftwood shall be logs a minimum of 12 inches in diameter, four feet from the base, and shall be a minimum of 15 feet long. Trim driftwood as directed by Engineer. Driftwood shall be washed of soil and debris prior to installation. No split logs or individual root wads without trunks will be accepted.

2.03 CONCRETE ANCHORS

Concrete Anchors shall be rectangular blocks of concrete measuring 2' x 2' x 6' (commonly termed "Ecology Blocks") with a steel eye for chain connection. The Contractor shall obtain Concrete Anchors from approved off-site sources.

2.04 CHAINS

Chains shall be ½-inch galvanized lashing chains with one screw shackle per log. The Contractor shall obtain chains from approved off-site sources.

PART 3 –EXECUTION

3.01 INSPECTION

Finish grading and woody debris placement shall be inspected and approved by the Engineer.

3.02 PREPARATION

Contractor shall locate woody debris by staking with stakes and flags as indicated on the Drawings or as approved in the field. If obstructions are encountered that are not shown on the Drawings, do not proceed until Owners representative has selected alternate locations.

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3.03 INSTALLATION OF ANCHORED LARGE WOODY DEBRIS

Construct anchored large woody debris as shown on the Drawings. Placement and selection of woody debris shall be as directed by the Engineer and shall occur at low tides. Engineer shall be present during installation of woody debris. Securely fasten logs to steel chain and concrete anchors to prevent movement by high water. Conceal concrete anchors from view. Concrete anchors, branches, and root mass shall not disturb the surficial cap.

3.04 INSTALLATION OF LARGE WOODY DEBRIS BARRIER

Construct large woody debris barrier as shown on the Drawings. Placement and selection of woody debris shall be as directed by the Engineer. Engineer shall be present during installation of woody debris. Concrete anchors shall be buried at least six inches underneath final surface elevation. Securely fasten logs to steel chain and concrete anchors to prevent movement. Large woody debris shall not be buried.

3.05 INSTALLATION OF DRIFTWOOD

Install driftwood after installation of topsoil, installation of coir erosion control fabric, and finish grading is completed, and prior to planting. Engineer shall be present during installation of driftwood.

PART 4—MEASUREMENT AND PAYMENT

4.01 MEASUREMENT

Materials provided and placed as defined in this Section will be measured as Lump Sum.

4.02 PAYMENT

Payment shall be full compensation for furnishing, loading, transporting, handling, and placing materials in accordance with the Contract Drawings and these Specifications.

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END OF SECTION 08100